



# HF Happenings 946

Schoongezicht ZS/FS-070 seen from Lesoba Guest Farm

## Lightning Protection

"Lightning Protection for Amateur Radio Stations" was recently presented by Lloyd Berg, N9LB. Lloyd has 50 years of experience as a broadcast engineer, building and maintaining AM, FM and TV broadcast stations. Learn from a professional how to make your station as lightning resistant as possible. The video of the programme is now available via the Madison DX Club's website [www.madisondxclub.org/MDXC\\_Programs.html](http://www.madisondxclub.org/MDXC_Programs.html).

## Word to the Wise

**Tin Pest** - Also known as *tin disease* or *tin blight*. Tin and other materials can have different physical forms for the same physical state. For elements, this is called *allotropism*, for crystalline materials, *polymorphism*. Tin, in its metal form, can change into a crumbly non-metallic form, which is also non-conductive. The transformation can be accelerated by low temperatures; the presence of other elements, like germanium; or amounts of the non-metallic form already present. Some electronic parts are plated with tin or use tin alloys. The tin in these parts can degrade and crumble, and pins and connections can lose conductivity. What is more, the non-conductive crumbles can disperse to other parts of an assembly, and then through heating become conductive again, causing short circuits. Tin pest can be avoided by careful use of other materials as an alloy to tin.

## May

10 - West Rand meeting  
11 - New Moon; End of Ramadan  
12 - the Early Morning Coffee Sprint  
13 - Ascension Day  
15 - Magalies and Highway ARCs meeting  
15 and 16 - IDXC Online  
15 to 22 - AGCW (Activity Group CW) activity week  
16 - ZS3 Sprint  
18 - PEARS and Border ARC meetings  
19 - SARL 80 m Club Sprint  
22 - the May RAE; CTARC meeting; the YOTA Contest  
25 - Namibia: Africa Day; Secunda ARC meeting  
26 - Namibia schools open; Full Moon; Total Lunar Eclipse  
29 and 30 - CQ WPX CW contest; Day of YL's Memorial in memory of Carine Dubois, F5ISY

## Operating Tip

**Hands on That Keyboard** - best practice recommends that all contest CW keying be done using a computerized keyer. Even "fills." Some would go so far as to even suggest, "If your hands are not on the keyboard, you are losing," which may seem harsh, but may reflect reality. That advice is also tempered by the dictum to always "have fun," which for some operators involves occasionally sending with a cherished key or bug. Computerized keying has been a part of amateur radio for over 50 years now: Curtis Keyers were available in 1971, containing a memory function for sending a 20-character message <http://testparts.blogspot.com/2011/04/history-of-curtis-keyers-by-brad.html>.

### Use a Drone to check a pattern

George, AA7JV, used a transmitter on a drone to test the pattern of a two-element vertical array for 160 metres [https://www.youtube.com/watch?v=JMujut\\_5FdY](https://www.youtube.com/watch?v=JMujut_5FdY).

### Ferrites & Common Mode Chokes

Kelly, N0VD, announced via Twitter, "The May Central Arizona DX Association meeting featured 'Ferrites & Common Mode Chokes' presented by Kevan Nason, N4XL. If you missed it, we gotcha covered." <https://www.youtube.com/watch?v=LpwjC5z9C2E>

### DX from Africa



A25RU/C92RU DXpedition video. A 15 minute video of the recent 2021 A25RU/C92RU Botswana and Mozambique DXpeditions is available on YouTube.com at <https://www.youtube.com/watch?v=LJXrYgL92BE&t=28s>

Madagascar, 5R. Daniel, 6W7RP, reports on QRZ.com [edited]: After 21 years of being in Senegal using the callsign 6W7RP, here I am on the north-side of the Island of Nosy Be (AF-057), in Madagascar. I am using a very small radio station compared to that of Senegal, I am currently dealing with a FT-1000MP and a vertical R8 antenna, which allows me to find my old friends in France and elsewhere." QSL via Daniel Eichenberger, Ankalambo B.P. 314, Nosy Be, 207 Madagascar.

Niger, 5U. Adrien, F4IHM, is expected to be back on the air again as 5UAIHM between 10 May and 15 June. Activity will be limited, but on 40/20 metres CW/SSB (watch around 17:00 UTC). QSL via F4IHM, direct or by the Bureau.

Morocco, CN65. This year, the Moroccan people celebrate the 65<sup>th</sup> anniversary of the creation of the "Royal Moroccan Armed Forces" on 14 May and "National Security (DGSN)" on 16 May, which "is an occasion in which Moroccan people recall the efforts and hard work of all symbols of the authority of the royal gendarmerie and the rest of the forces. The Moroccan people renew their pride in all these heroes under the high patronage of our King Muhammed VI." Look for Moroccan radio amateurs who will be celebrating world-wide by activating the special callsign CN65FAR between 10 and 16 May. Operators mentioned are Rabat, CN8KD, Kenitra, CN8SG, Meknes, CN8WW, Kalaa, CN8AV, Rabat, CN8PG, Bejaad, CN8MM, Oujda, CN8ANT, Tetouan, CN8TI and Marrakech, CN8QR. QSL via RW6HS.

### Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 10 to 17 May 2021.

4 States QRP Group Second Sunday Sprint  
00:00 - 02:00 UTC 10 May  
Geographic Focus: North America  
Participation: Worldwide

Mode: CW, SSB  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Op

Exchange: Member: RS(T), state, province or country and member no; Non-member: RS(T), state, province or country and power  
 Work stations: Once per band  
 QSO Points: 1 point per QSO with non-member; 2 points per QSO with member  
 Multipliers: (none)  
 Score Calculation: Total score = total QSO points  
 Submit logs by: 12 May 2021  
 E-mail logs to: (none)  
 Post log summary at:  
<http://qrpcontest.com/4sqrp>  
 Mail logs to: (none)  
 Find rules at:



K1USN Slow Speed Test  
 00:00 - 01:00 UTC 10 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20 m  
 Classes: Single Op - QRP, low or high  
 Max power: HP: >100 watts; LP: 100 watts;  
 QRP: 5 watts  
 Exchange: Maximum 20 wpm - Name and state, province or country  
 Work stations: Once per band  
 QSO Points: 1 point per QSO  
 Multipliers: Each state/province/country once per band; W/VE do not count as country mults  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23:59 UTC 12 May 2021  
 Post log summary at:  
<http://www.3830scores.com>  
 Mail logs to: (none)  
 Find rules at: <http://www.k1usn.com/sst.html>

OK1WC Memorial (MWC)  
 16:30 - 17:29 UTC 10 May

Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 80, 40 m  
 Classes: Single Op All Band - QRP or low; Single Op Single Band - QRP or low  
 Max power: LP: 100 watts; QRP: 5 watts  
 Exchange: RST and serial no  
 Work stations: Once per band  
 QSO Points: 1 point per QSO  
 Multipliers: Each last character of worked station call suffix once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 06:00 UTC 14 May 2021  
 E-mail logs to: (none)  
 Upload log at: <https://memorial-ok1wc.cz/index.php?page=logs>  
 Mail logs to: (none)  
 Find rules at: <https://memorial-ok1wc.cz/index.php?page=rules2l>

RSGB 80 m Club SSB Championship  
 19:00 - 20:30 UTC 10 May  
 Geographic Focus: United Kingdom  
 Participation: Worldwide  
 Awards: United Kingdom  
 Mode: SSB  
 Bands: 80 m Only  
 Classes: (none)  
 Exchange: RS and serial no  
 QSO Points: 1 point per QSO  
 Multipliers: (none)  
 Score Calculation: (see rules)  
 Submit logs by: 23:59 UTC 11 May 2021  
 Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>  
 Mail logs to: (none)  
 Find rules at:  
<https://www.rsgbcc.org/hf/rules/2021/r80mcc.shtml>

Worldwide Sideband Activity Contest  
 01:00 - 01:59 UTC 11 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: SSB  
 Bands: 160, 80, 40, 20, 15, 10, 6 m  
 Classes: Single Op - QRP, low or high; Overlay: Youth (26 years old or younger); Youth YL



(female 26 years old or younger); YL (female older than 26 years)  
 Max power: HP: 1 500 watts; LP: 100 watts;  
 QRP: 5 watts  
 Exchange: RS and age group (OM, YL, Youth YL or Youth)  
 Work stations: Once per band  
 QSO Points: 1 point per QSO with OM; 5 points per QSO with YL; 10 points per QSO with Youth; 15 points per QSO with Youth YL  
 Multipliers: Each DXCC once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 01:59 UTC 12 May 2021  
 E-mail logs to: (none)  
 Upload log at: <https://logs.wwsac.com/>  
 Mail logs to: (none)  
 Find rules at: <https://wwsac.com/rules.html>

RTTYOPS Week Sprint  
 17:00 - 19:00 UTC 11 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: RTTY  
 Bands: 80, 40, 20 m  
 Classes: Single Op  
 Max operating hours: 2 hours  
 Exchange: other station's call, your call, serial no and your name  
 Work stations: Once per band  
 QSO Points: 1 point per QSO  
 Multipliers: (none)  
 Score Calculation: Total score = total QSO points  
 Submit logs by: 23:59 UTC 18 May 2021  
 E-mail logs to: [rtty-week-tuesday@nr1contest.no](mailto:rtty-week-tuesday@nr1contest.no)  
 Mail logs to: (none)  
 Find rules at: <https://rttyops.wordpress.com/rtty-mini-contests/rttyops-Week-Sprint/>

Phone Weekly Test – Fray  
 02:30 - 03:00 UTC 12 May  
 Geographic Focus: North America  
 Participation: Worldwide  
 Mode: SSB  
 Bands: 160, 80, 40, 20, 15 m  
 Classes: Single Op  
 Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name  
 Work stations: Once per band  
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station  
 Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 03:00 UTC 14 May 2021  
 E-mail logs to: (none)  
 Post log summary at: <http://www.3830scores.com>  
 Mail logs to: (none)  
 Find rules at: [http://www.perluma.com/Phone\\_Fray\\_Contest\\_Rules.pdf](http://www.perluma.com/Phone_Fray_Contest_Rules.pdf)



CWops Mini-CWT Test  
 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 12 May and 03:00 - 04:00 UTC 13 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Awards: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Op - QRP, low or high  
 Max power: HP: >100 watts; LP: 100 watts;  
 QRP: 5 watts  
 Exchange: Member: Name and member no or "CWA"; non-Member: Name and state, province or country  
 Work stations: Once per band  
 QSO Points: 1 point per QSO  
 Multipliers: Each call once  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 04:00 UTC 15 May 2021  
 Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <https://cwops.org/cwops-tests/>



QRP Minimal Art Session

14:00 - 22:00 UTC 13 May

Mode: CW

Bands: 80, 40 m

Classes: A – TR/RX or TRX consisting of not more than 100 components; B - TX consisting of not more than 50 components, RX as you like; C – TR/RX or TRX consisting of not more than 100 components, max 1 integrated circuit  
Max power: 5 watts

Exchange: RST, "/", class and number of components

Score Calculation: (see rules)

Submit logs by: 27 May 2021

E-mail logs to: [mas@qrpc.de](mailto:mas@qrpc.de)

Mail logs to: Peter Haensel, DL6CGC,  
Hoetenslebener Str. 15, Barneberg, D-39393  
Hoetensleben, Germany

Find rules at:

<http://qrpc.de/contestrules/mas/index.html>

RTTYOPS Week Sprint

17:00 - 19:00 UTC 13 May

Geographic Focus: Worldwide

Participation: Worldwide

Mode: RTTY

Bands: 80, 40, 20 m

Classes: Single Op

Max operating hours: 2 hours

Exchange: other station's call, your call, serial no and your name

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 23:59 UTC 20 May 2021

E-mail logs to: [rtty-week-thursday@nr1contest.no](mailto:rtty-week-thursday@nr1contest.no)

Mail logs to: (none)

Find rules at:

<https://rttyops.wordpress.com/rtty-mini-contests/rttyops-Week Sprint/>

EACW Meeting

19:00 - 20:00 UTC 13 May

Geographic Focus: Spain

Participation: Worldwide

Mode: CW

Bands: 80, 40 m

Classes: Single Op

Exchange: EACW Member: RST, member no and Nickname; EA non-Member: RST, Nickname and EA province; non-EA: RST, Nickname and DXCC prefix

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 23:59 UTC 15 May 2021

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at:

<https://drive.google.com/file/d/1ifD1n2GGSykXxQ9alx4JNlqvho7JGHvv/view>

NCCC RTTY Sprint

01:45 - 02:15 UTC 14 May

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 16 May 2021

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rttyins.html>

NCCC Sprint

02:30 - 03:00 UTC 14 May

Geographic Focus: North America

Participation: Worldwide  
 Mode: CW  
 Bands: (see rules)  
 Classes: (none)  
 Exchange: Serial no, name and QTH  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 16 May 2021  
 E-mail logs to: (none)  
 Post log summary at:  
<http://www.3830scores.com/>  
 Mail logs to: (none)  
 Find rules at:  
<http://www.ncccsprint.com/rules.html>

K1USN Slow Speed Test  
 20:00 - 21:00 UTC 14 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20 m  
 Classes: Single Op - QRP, low or high  
 Max power: HP: >100 watts; LP: 100 watts;  
 QRP: 5 watts  
 Exchange: Maximum 20 wpm - Name and state, province or country  
 Work stations: Once per band  
 QSO Points: 1 point per QSO  
 Multipliers: Each state/province/country once per band; W/VE do not count as country mults  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23:59 UTC 16 May 2021  
 Post log summary at:  
<http://www.3830scores.com>  
 Mail logs to: (none)  
 Find rules at: <http://www.k1usn.com/sst.html>

NZART Sangster Shield Contest  
 08:00 - 11:00 UTC 15 May and 08:00 - 11:00 UTC 16 May  
 Geographic Focus: New Zealand  
 Participation: Worldwide  
 Mode: CW  
 Bands: 80 m Only  
 Classes: Single Op QRP; Single Op Overseas  
 Max power: non-ZL: >5 watts; ZL: 5 watts  
 Exchange: ZL: RST, serial no and Branch no; non-ZL: RST and serial no  
 Work stations: Once per half hour  
 QSO Points: (see rules)

Multipliers: ZL branches once  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 12 June 2021  
 E-mail logs to: [sangster@nzart.org.nz](mailto:sangster@nzart.org.nz)  
 Mail logs to: Contest Manager, Glenn Kingston ZL2KZ, 53 Tannadyce Street, Wellington 6022, New Zealand  
 Find rules at:  
<https://www.nzart.org.nz/activities/contests/sangster-shield>



His Majesty the King of Spain CW Contest  
 12:00 UTC 15 May to 12:00 UTC 16 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Awards: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Op All Band - QRP, low or high; Single Op Single Band; Multi-Op - low or high  
 Max power: HP: >100 watts; LP: 100 watts;  
 QRP: 5 watts  
 Exchange: EA: RST and province; non-EA: RST and serial no  
 Work stations: Once per band  
 QSO Points: (see rules)  
 Multipliers: Each EA province once per band; Each EADX100 entity once per band; Each special (EA0) station once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 31 May 2021  
 E-mail logs to: (none)  
 Upload log at:  
<http://concursos.ure.es/en/logs/>  
 Mail logs to: (none)  
 Find rules at: <http://concursos.ure.es/en/s-m-el-rey-de-espana-cw/bases/>

Feld Hell Sprint  
 16:00 - 17:59 UTC and 20:00 - 21:59 UTC 15 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide

Mode: Feld Hell  
 Bands: 160, 80, 40, 20, 15, 10, 6 m  
 Classes: (none)  
 Max power: Standard: 100 watts; QRP: 5 watts  
 Exchange: (see rules)  
 Work stations: Once per band  
 QSO Points: (see rules)  
 Bonus Points: (see rules)  
 Multipliers: (see rules)  
 Score Calculation: (see rules)  
 Submit logs by: 18 May 2021  
 Upload log at:  
<https://sites.google.com/site/feldhellclub/>  
 Mail logs to: (none)  
 Find rules at:  
<https://sites.google.com/site/feldhellclub/Home/contests/sprints/hamvention-sprint>



FISTS Sunday Sprint  
 21:00 - 23:00 UTC 16 May  
 Geographic Focus: United States/Canada  
 Participation: Worldwide  
 Mode: CW  
 Bands: 80, 40, 20, 15, 10 m  
 Classes: QRP; QRO; Club  
 Max power: QRO: 100 watts; QRP: 5 watts  
 Exchange: FISTS: RST, state, province or country, first name and FISTS no; non-FISTS: RST, state, province or country, first name and "Q"  
 Work stations: Once only  
 QSO Points: 5 points per QSO with FIST member; 2 points per QSO with non-FIST member  
 Multipliers: Each US state and VE province once; Each DXCC country once  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 30 May 2021  
 E-mail logs to: [sprintlogs@fistsna.org](mailto:sprintlogs@fistsna.org)  
 Mail logs to: FISTS Sprint Log, 4658 Capitan Drive, Fremont, CA 94536-5448, USA

Find rules at:  
<https://fistsna.org/operating.html#sprints>

Run for the Bacon QRP Contest  
 23:00 UTC 16 May to 01:00 UTC 17 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Band; All Band  
 Max power: 5 watts  
 Exchange: RST, state, province or country and member no or power  
 Work stations: Once per band  
 QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent  
 Multipliers: Each state, province, or country once; Multiply mults by 2 if >50 members worked  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23 May 2021  
 E-mail logs to: (none)  
 Upload log at:  
<http://qrptest.com/pigrun/autolog.php>  
 Mail logs to: (none)  
 Find rules at: <http://qrptest.com/pigrun/>

K1USN Slow Speed Test  
 00:00 - 01:00 UTC 17 May  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20 m  
 Classes: Single Op - QRP, low or high  
 Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts  
 Exchange: Maximum 20 wpm - Name and state, province or country  
 Work stations: Once per band  
 QSO Points: 1 point per QSO  
 Multipliers: Each state/province/country once per band; W/VE do not count as country mults  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23:59 UTC 19 May 2021  
 Post log summary at:  
<http://www.3830scores.com>  
 Mail logs to: (none)



Find rules at: <http://www.k1usn.com/sst.html>



OK1WC Memorial (MWC)  
16:30 - 17:29 UTC 17 May  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW  
Bands: 80, 40 m

Classes: Single Op All Band - QRP or low; Single Op Single Band - QRP or low  
Max power: LP: 100 watts; QRP: 5 watts  
Exchange: RST and serial no  
Work stations: Once per band  
QSO Points: 1 point per QSO  
Multipliers: Each last character of worked station call suffix once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 06:00 UTC 21 May 2021  
E-mail logs to: (none)  
Upload log at: <https://memorial-ok1wc.cz/index.php?page=logs>  
Mail logs to: (none)  
Find rules at: <https://memorial-ok1wc.cz/index.php?page=rules21>

### The Results of the second leg of the SARL 40 m Grid Square Club Sprint

The Committee received 38 logs for the 40 m Grid Square Sprint held on Tuesday 27 April 2021. I note one or two operators who are Club hopping and then there are some logs with points removed for not adhering to the QSY rule for Sprints. Eina! I do not find a Kalahari ARC nor a Witbank ARC – I do find the Coalfields ARC with a postal address in Witbank. ZS6CRC is a Club call sign – not allowed!

- 1<sup>st</sup> the West Rand ARC – 1 032 points (14 logs)
- 2<sup>nd</sup> the Bo-Karoo ARC – 348 points (4 logs)
- 3<sup>rd</sup> the Northern Cape ARC – 273 points (3 logs)
- 4<sup>th</sup> the Bloemfontein ARC – 158 points (2 logs)
- 5<sup>th</sup> the Hibiscus ARC – 139 points (5 logs)
- 6<sup>th</sup> the Sandton ARC – 124 points (2 logs)
- 7<sup>th</sup> the Pretoria ARC – 115 points (1 log)
- 8<sup>th</sup> the Magalies Radio Club – 89 points (1 log)
- 9<sup>th</sup> PEARS – 80 points (2 logs)
- 10<sup>th</sup> the Boland ARC – 62 points (1 log)
- 11<sup>th</sup> the Jeugland ARC – 34 points (1 log)
- 12<sup>th</sup> the Kimberley ARC – 20 points (1 log)

#### Individual scores

- 1<sup>st</sup> Michael, ZS4BHF - 151 points
- 2<sup>nd</sup> Karen, ZS6MMA - 140 points
- 3<sup>rd</sup> Kobus, ZS6BOS - 137 points
- 4<sup>th</sup> Chris, ZS6CPA - 126 points
- 5<sup>th</sup> Hans, ZS6KR - 115 points
- 6<sup>th</sup> Woody, ZS3WL - 111 points
- 7<sup>th</sup> Thanie, ZS4AZ - 108 points
- 8<sup>th</sup> Romeo, ZS6ARQ - 100 points
- 9<sup>th</sup> Chris, ZS6GM - 99 points
- 10<sup>th</sup> Pierre, ZS6PS - 89 points
- 11<sup>th</sup> Keith, ZS6HI - 88 points



12<sup>th</sup> Roy, ZS3RW - 84 points  
 13<sup>th</sup> Gerhard, ZS3TG - 81 points  
 14<sup>th</sup> Esme, ZS3EW - 76 points  
 15<sup>th</sup> Theunis, ZS2EC - 75 points  
 16<sup>th</sup> Phillip, ZS6PVT - 74 points  
 17<sup>th</sup> Nick, ZS1N - 70 points  
 18<sup>th</sup> David, ZR1AOC and Christi, ZS4CGR - 69 points  
 20<sup>th</sup> Beverley, ZR6BVT - 68 points  
 21<sup>st</sup> Helmar, ZS1H and Sid, ZS5SID - 62 points  
 23<sup>rd</sup> Steve, ZS3SB; Veronica, ZR6TVK and Jack, ZS6JJK - 60 points  
 26<sup>th</sup> Jadranko, ZS6DJA - 52 points  
 27<sup>th</sup> Heather, ZS5YH - 40 points  
 28<sup>th</sup> Johan, ZS6JBZ - 38 points  
 29<sup>th</sup> Anthony, ZS6ANT and Stewart, ZR6WT - 36 points  
 31<sup>st</sup> Guy, ZS6GUY - 34 points  
 32<sup>nd</sup> Roger, ZS6YX - 29 points  
 33<sup>rd</sup> Henk, ZS3HC - 20 points  
 34<sup>th</sup> Brian, ZS5SB - 15 points  
 35<sup>th</sup> Louis, ZS5LS - 12 points  
 36<sup>th</sup> Gawie, ZS5R - 10 points  
 37<sup>th</sup> Dennis, ZS2B - 7 points  
 38<sup>th</sup> Chad, ZS2CJ - 5 points

### Next Week's Contests

Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 18 May  
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 18 May  
 Phone Weekly Test – Fray, 02:30 - 03:00 UTC 19 May  
 CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 19 May and 03:00 - 04:00 UTC 20 May  
 RSGB 80 m Club Data Championship, 19:00 - 20:30 UTC 19 May  
 NAQCC CW Sprint, 00:30 - 02:30 UTC 20 May  
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 20 May  
 EACW Meeting, 19:00 - 20:00 UTC 20 May  
 NCCC RTTY Sprint, 01:45 - 02:15 UTC 21 May  
 NCCC Sprint, 02:30 - 03:00 UTC 21 May  
 K1USN Slow Speed Test, 20:00 - 21:00 UTC 21 May  
 YOTA Contest, 08:00 - 19:59 UTC 22 May  
 EU PSK DX Contest, 12:00 UTC 22 May to 12:00 UTC 23 May  
 Hamvention QSO Party, 12:00 - 24:00 UTC 22 May  
 Baltic Contest, 21:00 UTC 22 May to 02:00 UTC 23 May  
 QRP ARCI Hootowl Sprint, 00:00 - 01:00 UTC 24 May  
 K1USN Slow Speed Test, 00:00 - 01:00 UTC 24 May  
 OK1WC Memorial, 16:30 - 17:29 UTC 24 May  
 Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 25 May  
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 25 May

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter